

Study Purpose

- Develop recommendations for traffic calming measures
 - Reduce negative impacts of motor vehicle use on pedestrians
 - Improve pedestrian connections and safety at key locations at the campus

Study Area & Focus Areas







1000 MDC Wolfson Building Number



Literature Review

- Research pedestrian and traffic calming issues and recommended treatments
 - At colleges/universities
 - In Downtown areas
- Most prevalent issues:
 - Pedestrian safety
 - Non-compliance by peds at existing crosswalks or signals



Literature Review

- Most common recommendations:
 - Crosswalk enhancements
 - New/improved signals
 - Enhanced signage
 - Curb extensions
 - Pedestrian refuge islands





Tiered Recommendations

Intended to give the College options

Fewer Ped Safety and Operational Enhancements



More Ped Safety and Operational Enhancements

Tier 1

Tier 2

Tier 3

Tier 4

Lowest Cost & Easiest Implementation



Highest Cost More Complex Implementation

Recommended Treatments & Symbols



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NE 5th Street at Wolfson Garage

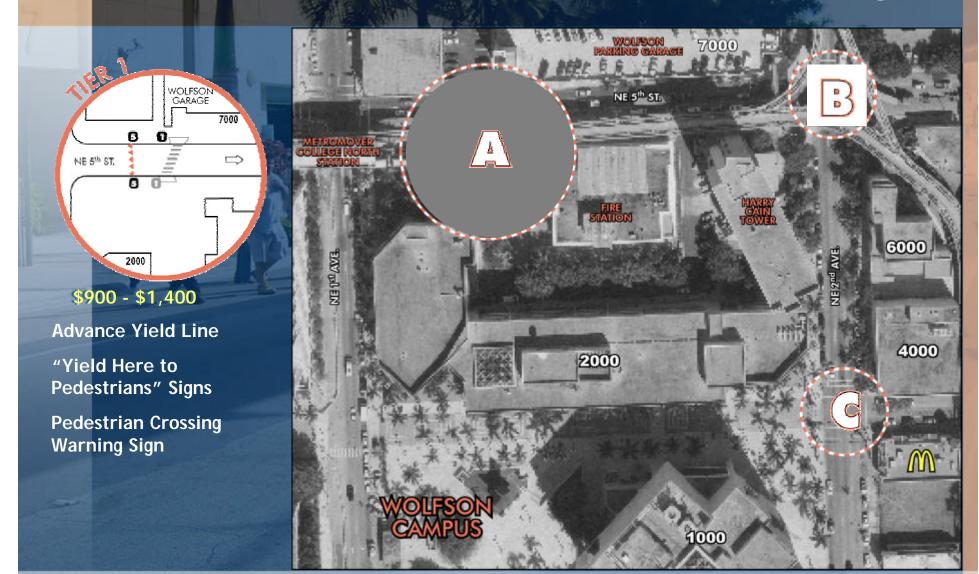
Focus Area A Issues:

- Heavy ped volume midblock (500-600 per hour during peak hours)
- Significant truck traffic
- 5th Street is primary route into Port
- Potential for multiple threat crashes with 3-lane roadway section



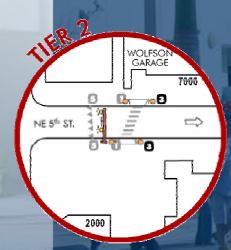


NE 5th Street at Wolfson Garage





NE 5th Street at Wolfson Garage



\$17,100 - \$51,700

Tier 1 Improvements

Overhead Sign with Flashing Beacons

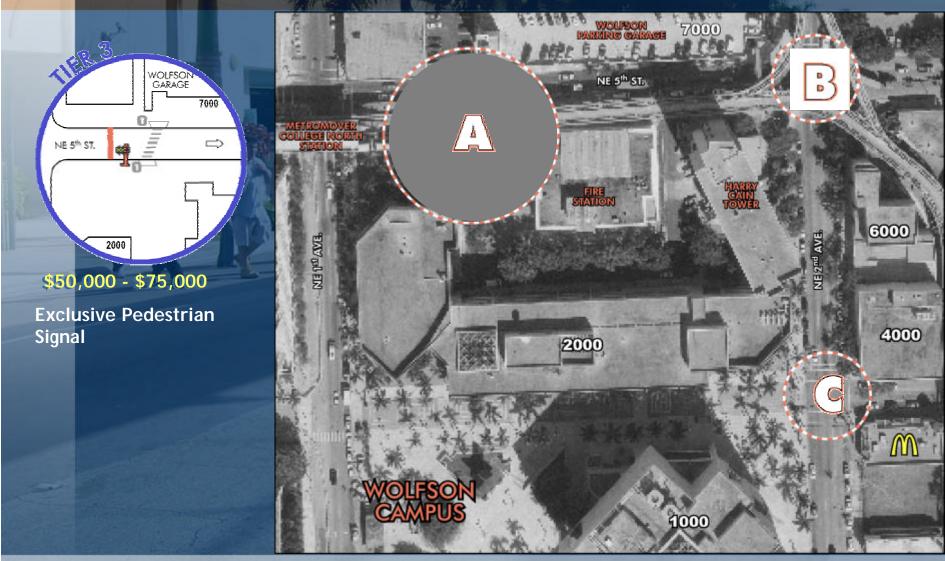
Bollards with Automatic Detection

"Walk Between Posts to Activate Flashing Crosswalk" Signs for Peds



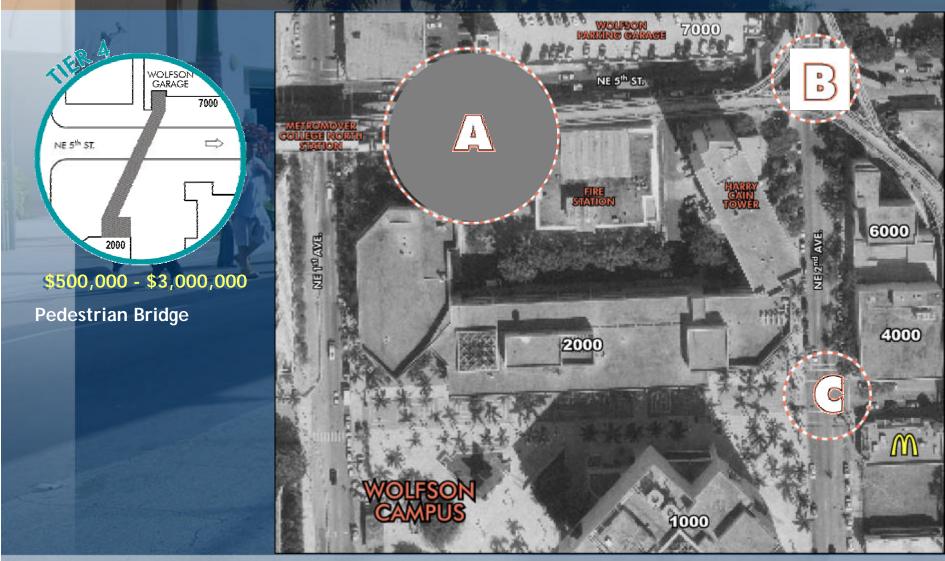


NE 5th Street at Wolfson Garage





NE 5th Street at Wolfson Garage





NE 5th Street/NE 2nd Avenue

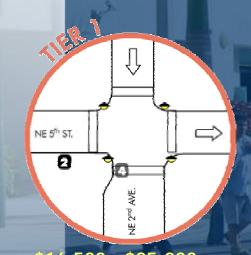
Focus Area B Issues:

- Significant ped activity (450 per hour in west crosswalk during peak hours)
- Vehicle view of pedestrianscan be obstructed byMetromover column
- 3 ped crashes (1996-2003),with 1 fatality
- Lighting is very poor





NE 5th Street/NE 2nd Avenue

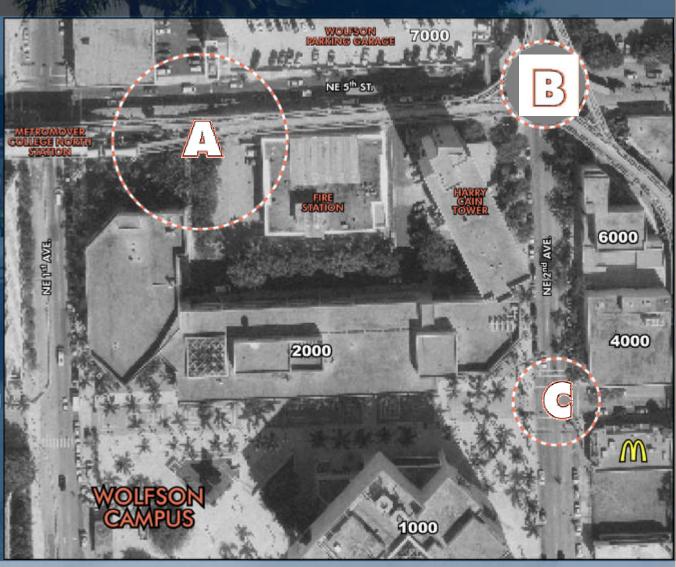


\$16,500 - \$25,000

"Watch Turning Vehicles" Pavement Legend for Peds

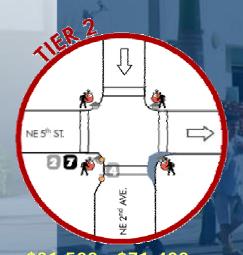
"Turning Traffic Must Yield To Peds" Sign

Ped-Oriented Street Lighting





NE 5th Street/NE 2nd Avenue



\$31,500 - \$71,400

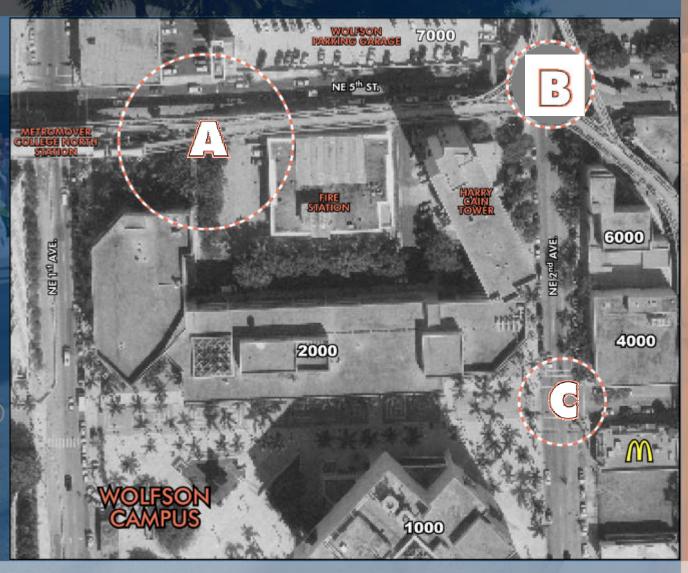
Tier 1 Improvements

Countdown Ped Signal Indicators

Curb Extension (SE Corner)

"Pedestrian in Crosswalk" Internally Illuminated "Smart Sign"

Bollards with Automatic Detection



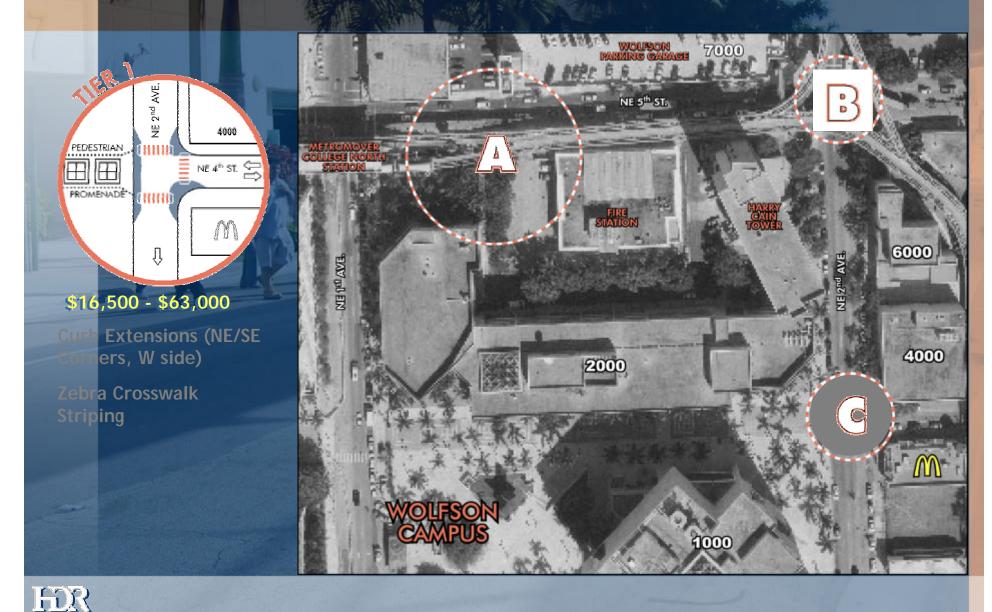


Focus Area C Issues:

- Very heavy ped traffic (650-1,000 cross 2nd Avenue per hour during peak hours)
- Conflicts between WB left turning vehicles & peds crossing in southern crosswalk
- Low volume of vehicles using 4th Street









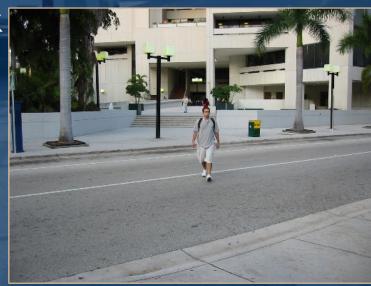


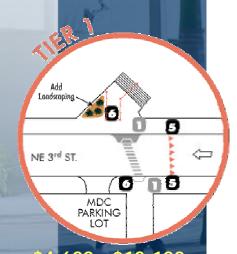




Focus Area D Issues:

- Heavy pedestrian activity crossing 3rd Street midblock (300 per hour during peak hour)
- Wolfson Building 1 steps are angled - peds tend to cross 3rd Street at this same angle





\$4,600 - \$13,100

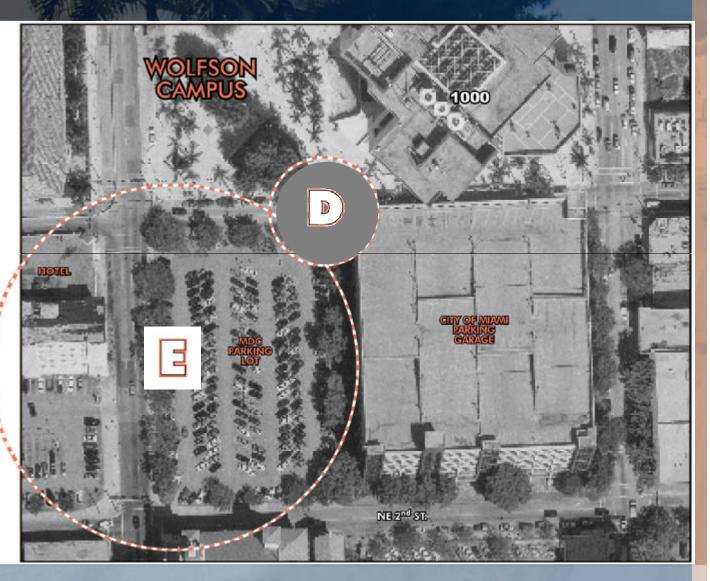
Advance Yield Line

"Yield Here to Pedestrians" Signs

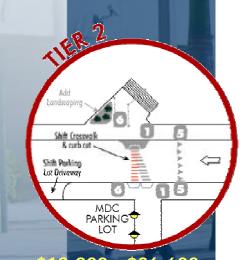
Landscape Planter at Building 1 Steps

Pedestrian Railing on Building 1 Steps

"Use Crosswalk" Signs for Peds







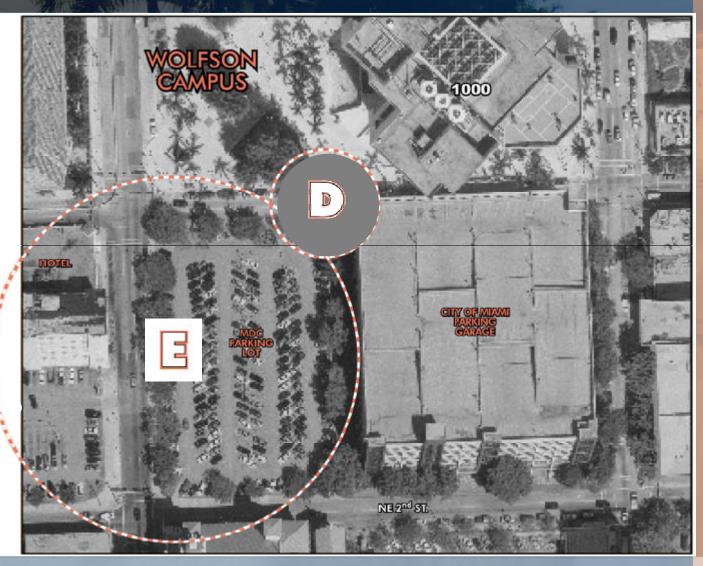
\$19,900 - \$36,600

Tier 1 Improvements

Shift MDC Parking Lot Driveway to the West

Shift Crosswalk (South Ramp & Zebra Striping

Ped-Oriented Lighting on Walkway E. of MDO Parking Lot

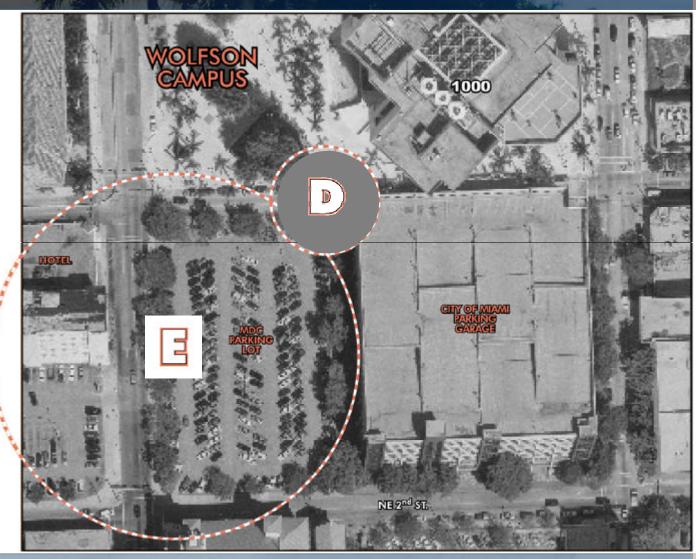






\$29,900 - \$56,600

Tier 2 Improvements **Raised Crosswalk**





NE 1st Avenue

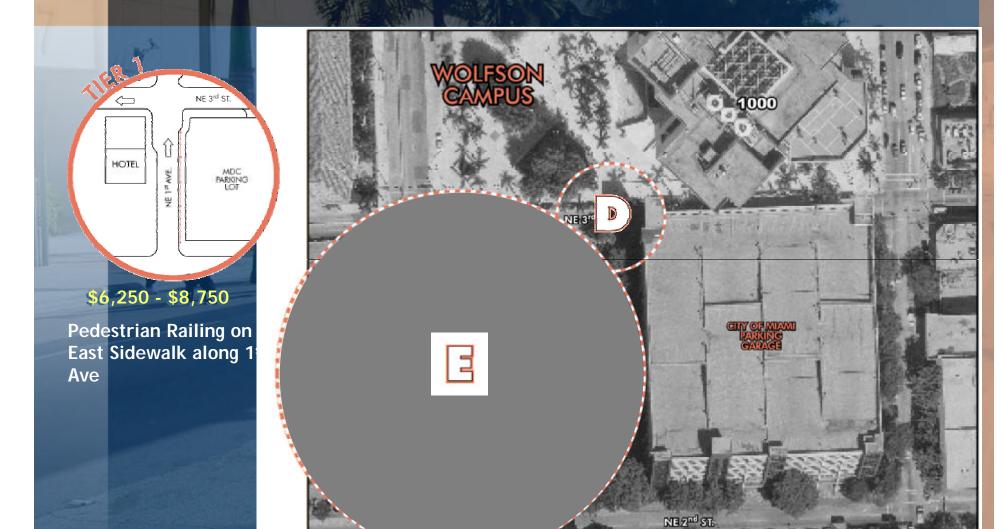
Focus Area E Issues:

- Heavy pedestrian activity crossing 1st Avenue midblock (400 per hour during peak hour)
- Midblock pedestrian crossings occur over the whole block (between 2nd & 3rd Streets), not at 1 location
- Many peds cut-through the MDC Parking Lot



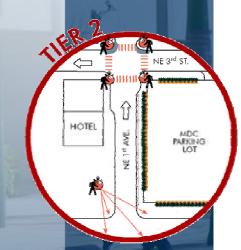


NE 1st Avenue





NE 1st Avenue



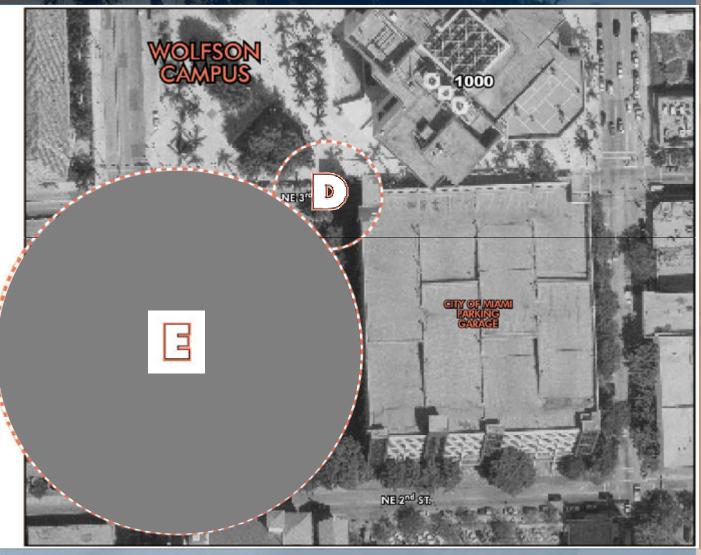
\$35,690 - \$83,250

Tier 1 Improvements

Fencing & Landscapin along Borders of MDC Parking Lot

Countdown Ped Signa Indicators (at 1st Ave/ 2nd St & 1st Ave/3rd St)

Zebra Crosswalk Striping (1st Ave/3rd St





Funding Options

- City of Miami or Miami-Dade County CIP
- People's Transportation Plan (from the City of Miami allocation)
- Coordination with other projects (i.e., City of Miami Streetcar)
- Coordination with new large-scale development
- TEA-21 (or its successor)



Recommended First Step

- MDC Representatives Meet with:
 - City of Miami Staff
 - Miami-Dade County Staff
- Determine how to incorporate recommended projects as a component of other projects or programs

